Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198
Filed: March 23, 2004
Sheet 1 of 11

1/11

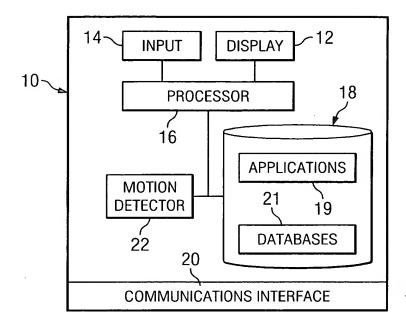
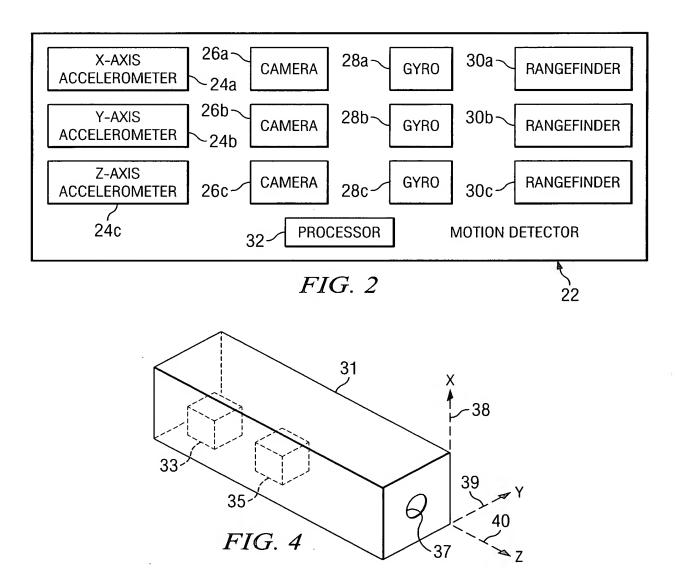
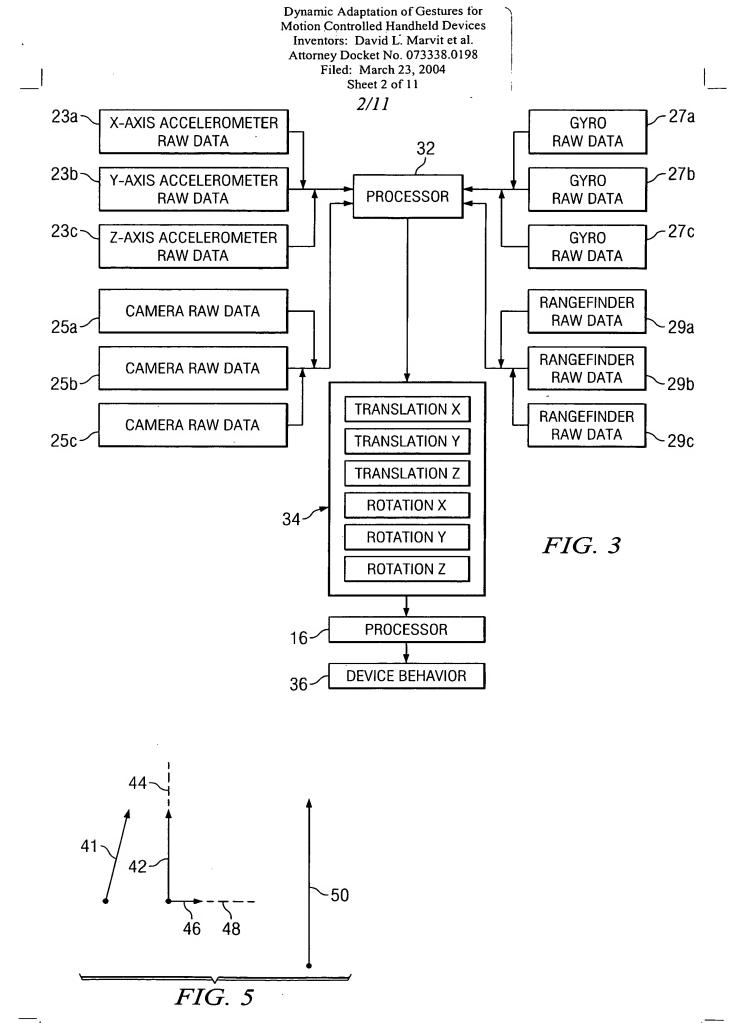


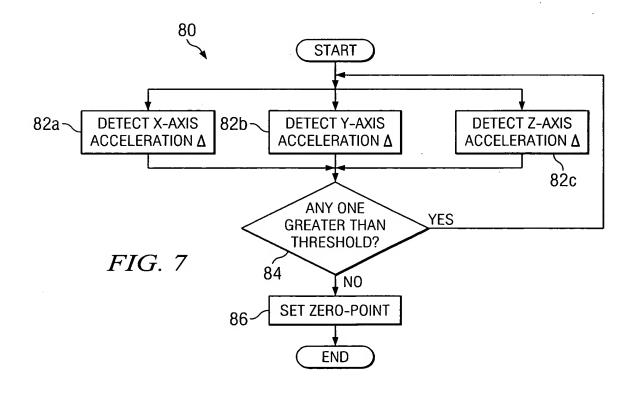
FIG. 1





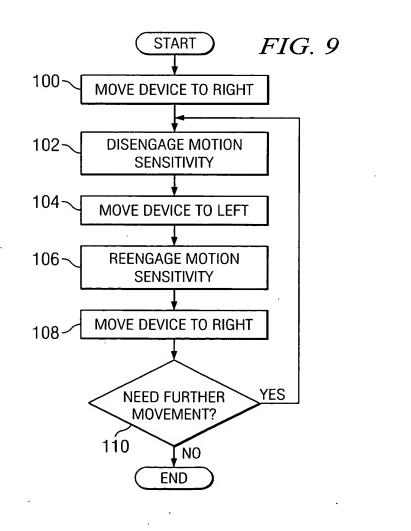
Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198
Filed: March 23, 2004
Sheet 3 of 11

62a 62b X-ACCELERATION Y-ACCELERATION Z-ACCELERATION ∕-62c **DATA DATA DATA ~60** 64 **PROCESS** 66 **DOMINANT** AXIS? 68b **USER AUGMENT X AUGMENT Z AUGMENT Y** PREFERENCES ! 68c 68a 69 **PROCESS** 70-FIG. 6 **DEVICE BEHAVIOR**



Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198
Filed: March 23, 2004
Sheet 4 of 11

4/11



Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198 Filed: March 23, 2004 Sheet 5 of 11

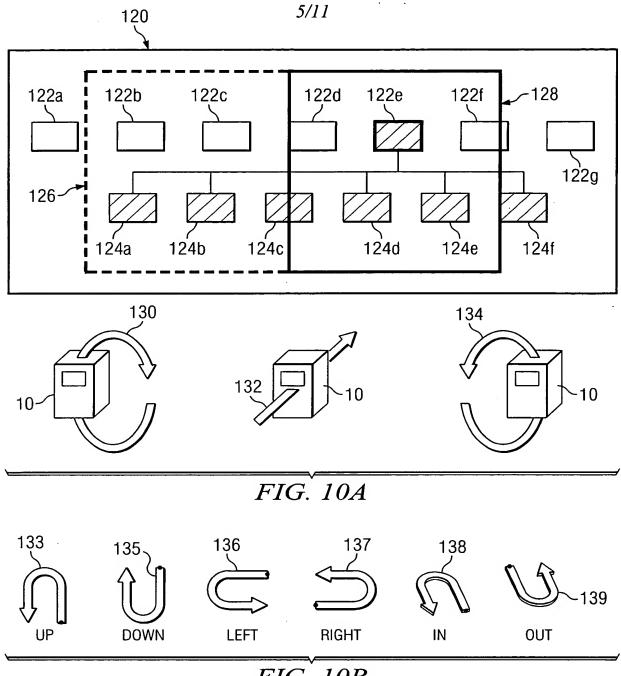
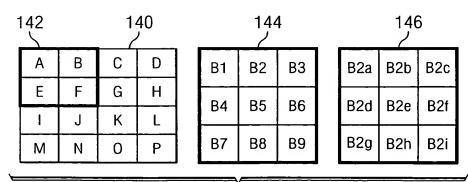


FIG. 10B



FIĞ. 11

Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198
Filed: March 23, 2004
Sheet 6 of 11

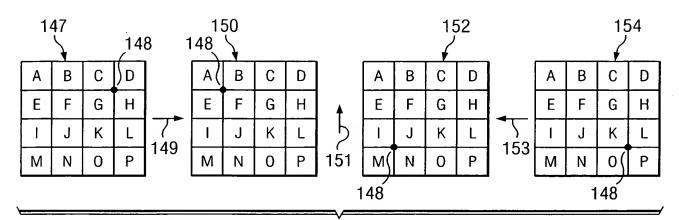
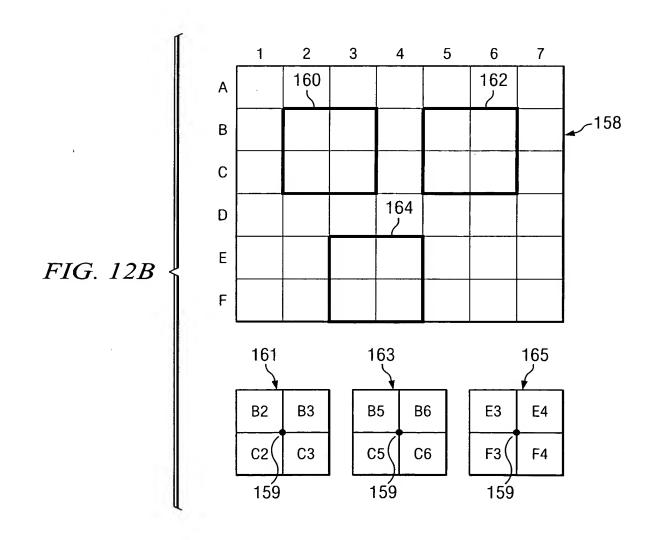
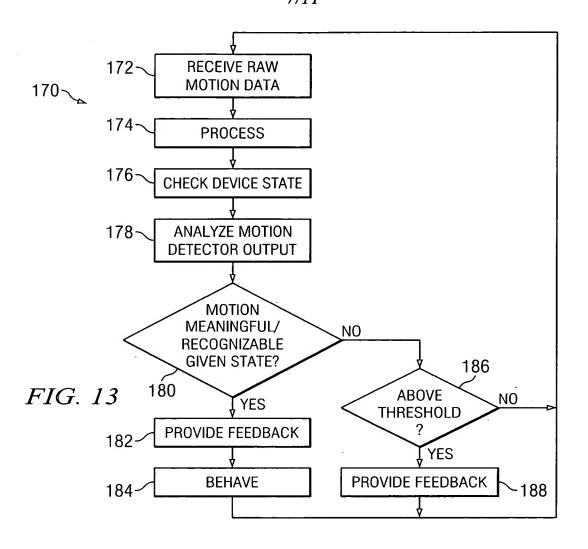
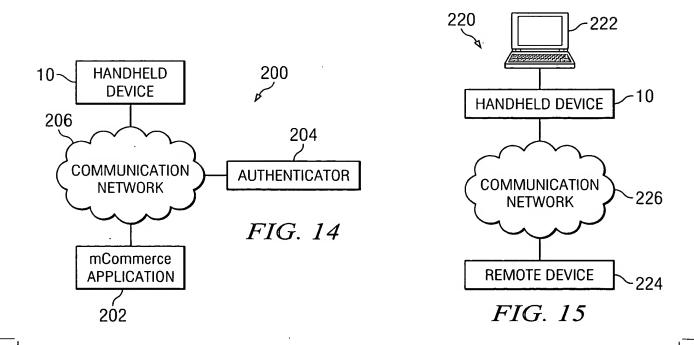


FIG. 12A

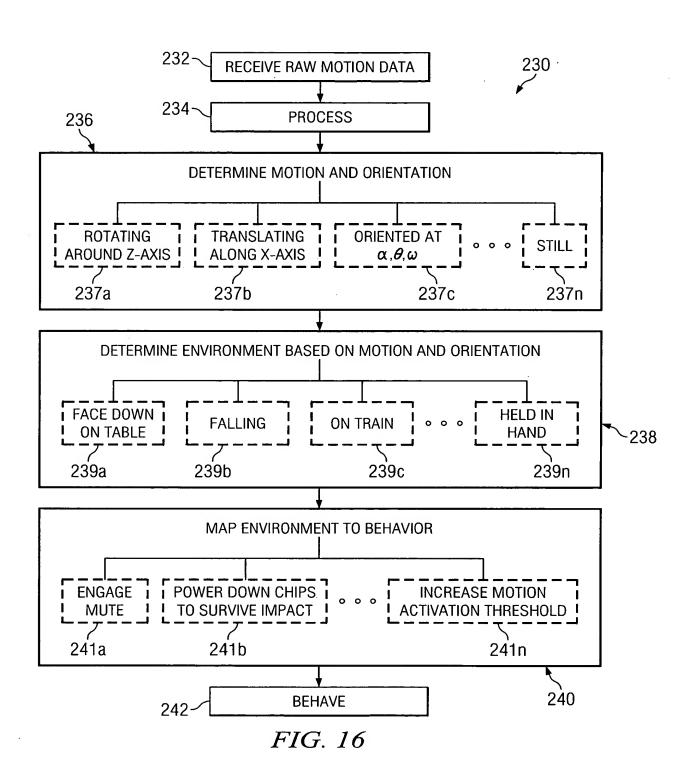


Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198 Filed: March 23, 2004 Sheet 7 of 11

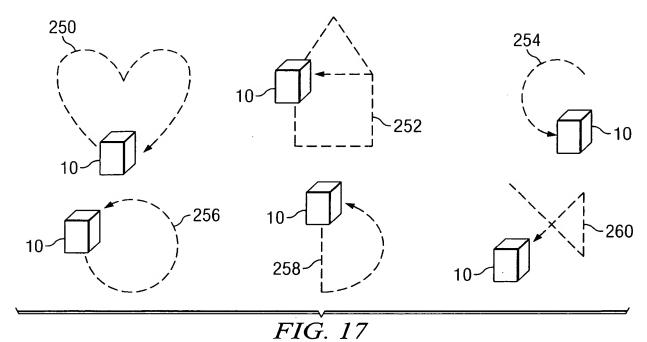


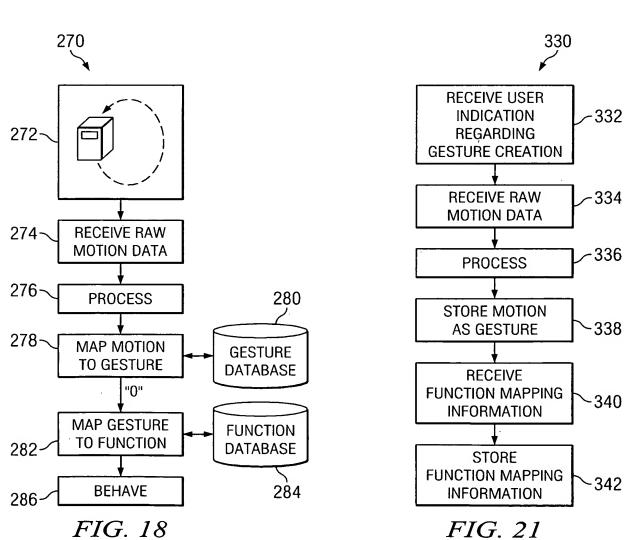


Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198 Filed: March 23, 2004 Sheet 8 of 11

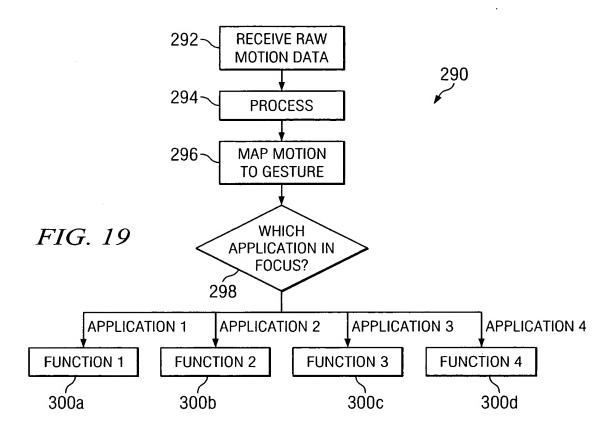


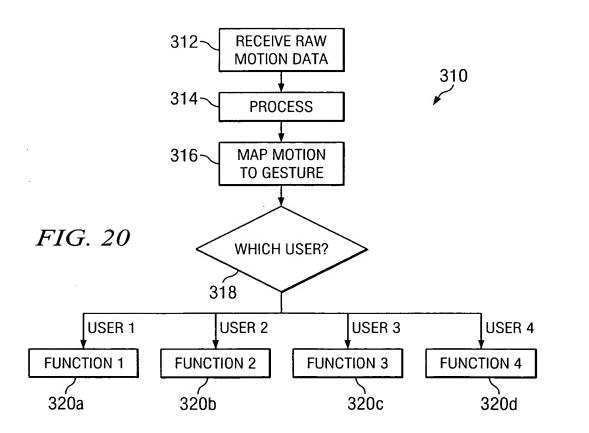
Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198 Filed: March 23, 2004 Sheet 9 of 11





Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198
Filed: March 23, 2004
Sheet 10 of 11
10/11





Dynamic Adaptation of Gestures for Motion Controlled Handheld Devices Inventors: David L. Marvit et al. Attorney Docket No. 073338.0198 Filed: March 23, 2004 Sheet 11 of 11

